

WHAT IS CLAIMED IS:

1. A domain-wall-displacement type magneto-optical recording medium comprising:

5 a substrate having formed therein a groove and a land at least either of which is used as a recording track for an information, the recording track being wobbled to indicate an address information;

10 a magnetic layer formed on the substrate; and an annealed region formed by annealing the magnetic layer between the recording tracks, wherein the annealed region is formed linearly along the wobbled recording track.

15 2. The domain-wall-displacement type magneto-optical recording medium according to claim 1, wherein either one of the groove or the land is used as a recording track and the width of the annealed region is not less than the width of the wobbling of  
20 the land or groove between the recording tracks.

3. The domain-wall-displacement type magneto-optical recording medium according to claim 1, wherein both the groove and the land are used as the  
25 recording tracks; the annealed region is formed on a sidewall portion at a boundary of the land and groove between the recording tracks; and the width of the

annealed region is not less than a maximum of the width of the wobbling on the sidewall portion at the boundary of the land and groove.

5           4. The domain-wall-displacement type magneto-optical recording medium according to claim 1, which comprises a first magnetic layer a domain wall of which is displaceable, a third magnetic layer that holds a recording magnetic domain and has a domain  
10 wall coercive force greater than that of the first magnetic layer, and a second magnetic layer that has a Curie temperature lower than those of the first and the third magnetic layers and is disposed between the first and the third magnetic layers.

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          5. A method of producing the domain-wall-displacement type magneto-optical recording medium as set forth in claim 1, comprising the steps of:  
          forming a magnetic layer on a substrate; and  
20           irradiating an area between recording tracks on the magnetic layer with a light beam of a given annealing power to form an annealed region linearly along a wobbled recording track.